



TROPICAL CYCLONE BULLETIN NO. 4
Tropical Depression ROSAL

Issued at 5:00 AM, 11 December 2022

Valid for broadcast until the next bulletin at 11:00 AM today

“ROSAL” CONTINUES TO MAINTAIN ITS STRENGTH OVER THE PHILIPPINE SEA EAST OF AURORA

Location of Center (4:00 AM):

The center of Tropical Depression ROSAL was estimated based on all available data at **330 km East of Casiguran, Aurora (16.7°N, 125.2°E)**

Intensity:

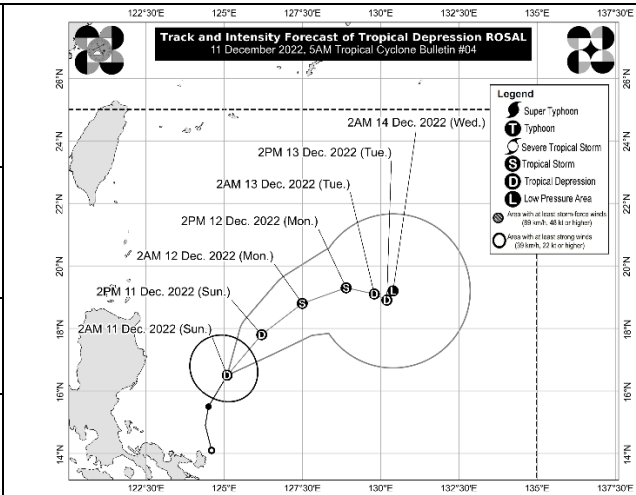
Maximum sustained winds of **45 km/h** near the center, gustiness of up to **55 km/h**, and central pressure of **1002 hPa**

Present Movement:

North northeastward at 20 km/h

Extent of Tropical Cyclone Winds:

Strong winds extend outwards up to **150 km** from the center



TRACK AND INTENSITY FORECAST

Date and Time	Center Position			Intensity		Movement dir. and speed (km/h)
	Lat. (°N)	Lon. (°E)	Location	MSW (km/h)	Cat.	
12-Hour Forecast 2:00 PM 11 December 2022	17.8	126.2	470 km East of Tuguegarao City, Cagayan	55	TD	NE 15
24-Hour Forecast 2:00 AM 12 December 2022	18.8	127.5	620 km East of Aparri, Cagayan	65	TS	NE 15
36-Hour Forecast 2:00 PM 12 December 2022	19.3	128.9	780 km East of Calayan, Cagayan	65	TS	ENE 15
48-Hour Forecast 2:00 AM 13 December 2022	19.1	129.8	875 km East of Extreme Northern Luzon	55	TD	ESE 10
60-Hour Forecast 2:00 PM 13 December 2022	18.9	130.2	920 km East of Extreme Northern Luzon	45	TD	ESE Slowly
72-Hour Forecast 2:00 AM 14 December 2022	19.2	130.4	940 km East of Extreme Northern Luzon	-	LOW	NNE Slowly

TROPICAL CYCLONE WIND SIGNALS (TCWS) IN EFFECT

No Tropical Cyclone Wind Signals hoisted at this time.



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HAZARDS AFFECTING LAND AREAS
<p>Heavy Rainfall</p> <ul style="list-style-type: none"> • <i>Until this noon:</i> Light to moderate with at times heavy rains over MIMAROPA. • Under these conditions, flooding and rain-induced landslides are still possible in some areas, especially in areas that are highly or very highly susceptible to these hazard as identified in hazard maps and in localities with significant antecedent rainfall. <p>Severe Winds</p> <p>In the next 24 hours, the surge of the Northeast Monsoon partly enhanced by this tropical depression may bring occasional gusts reaching gale-force over Batanes and Babuyan Islands, and strong breeze to near-gale strength over the Ilocos Norte, the northern and eastern portions of Cagayan, the eastern portion of Isabela, Calaguas Islands, and the extreme northern portion of Catanduanes.</p>
HAZARDS AFFECTING COASTAL WATERS
<ul style="list-style-type: none"> • Under the influence of the surge of the Northeast Monsoon partly enhanced by ROSAL, a marine gale warning is in effect over the seaboard of Northern Luzon. For more information, refer to Gale Warning #24 issued at 5:00 AM today. • In the next 24 hours, the combined effects of the surge of the Northeast Monsoon and the tropical cyclone may also bring moderate to rough seas (1.5 to 3.5 m) over the seaboard of Central Luzon and the eastern and western seaboard of Southern Luzon. These conditions may be risky for those using small seacrafts. Mariners are advised to take precautionary measures when venturing out to sea and, if possible, avoid navigating in these conditions.
TRACK AND INTENSITY OUTLOOK
<p>Tropical Depression ROSAL is forecast to move generally northeastward today through tomorrow morning before turning east southeastward. In the near term, ROSAL may still intensify into a low-end tropical storm within the next 36 hours. However, increasingly unfavorable conditions associated within the monsoon surge by late Monday or early Tuesday will result in a weakening trend. ROSAL may become a post-tropical low embedded along the leading edge of the monsoon surge by Wednesday.</p>

Considering these developments, the public and disaster risk reduction and management offices concerned are advised to take all necessary measures to protect life and property. Persons living in areas identified to be highly or very highly susceptible to these hazards are advised to follow evacuation and other instructions from local officials. **For heavy rainfall warnings, thunderstorm/rainfall advisories, and other severe weather information specific to your area, please monitor products issued by your local PAGASA Regional Services Division.**

The next tropical cyclone bulletin will be issued at 11:00 AM today.

DOST-PAGASA

Prepared by:  **RPG**

Checked by:  **JEMB**